BOSCH

Invented for life

D623 Series LCD Keypads

- ▸ **LCD two-line, 16-character display**
- ▸ **Light emitting diode (LED) system status indicator**
- ▸ **19 keys, including three programmable emergency keys**
- ▸ **Sounder that emits eight warning tones**

Each D623 Series Keypad model is low-profile, surface-mountable, and compatible with D6412 and D4412 Control Panels. Each keypad model has an illuminated keypad, backlit liquid crystal display (LCD), three programmable emergency keys, and a sounder that emits eight warning tones.

Functions

LED and LCD Display

Each D623 Series Keypad model has two LEDs: Status and On. The models also use words, numbers, and symbols to show the status of the security system on the LCD display. When several events occur, each model shows each event in order of priority.

Keys

Each D623 Series Keypad model has a total of 19 keys for specific functions. Use the 10 numeric keys, the [CMD] key, and the [*] key for entering passcodes, issuing commands, and choosing the next display. Use the [ALL ON], [PART ON], or [NO DELAY] keys to arm your system. Use the [BYPASS] key to bypass points. Your installing company can program the [A], [B], and [C] keys with functions such as Emergency, Fire, or Panic. When pressed, each key emits a muted beep.

Audible Tones

The sounder emits eight warning tones:

- Fire Alarm: Indicates a fire event. Evacuate occupants and investigate for smoke or fire.
- Burglary Alarm: Indicates a burglary event.
- Trouble: Indicates that a system component requires attention, such as a broken wire or a low battery.
- Exit Delay: Indicates that the system is on and you must exit the area within the time limit to avoid an alarm condition.
- Entry Delay: Indicates that the system is on and you must turn off the system within the time limit to avoid an alarm condition.
- Error: Indicates an invalid keypad entry.
- OK: Indicates a valid keypad entry.
- Watch: Indicates that a watch point is open or faulted. The tone continues until the watch point is closed.

Certifications and Approvals

Region	Certification	
USA	UL	D623 and D623W: AMCX: Central Station Alarm Units (UL1610, UL1635), AMTB: Control Panels, SIA False Alarm Reduction, AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023), UTOU: Control Units and Accessories - Household System Type (UL985)
		D623B: AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023), UTOU: Control Units and Accessories - Household System Type (UL985)
	CSFM	D623 and D623W: 7167-1615: 183 July 2008
	ANSI/SIA	D623 and D623W comply with ANSI/SIA CP-01-2000, SIA False Alarm Reduction

Installation/Configuration Notes

Compatibility Information

Control Panels   D6412 and D4412

Mounting Considerations

- Do not mount any of the D623 Series Keypad models in a location exposed to direct sunlight. Direct sunlight can interfere with screen visibility and damage internal components.
- Do not mount any of the D623 Series Keypad models in locations with temperatures that drop below or exceed the operating temperature range.

Power Supplies

A compatible control panel supplies the power and data requirements to a D623 Series Keypad model through a four-wire connection.

Wiring Considerations

Recommended wiring length is 305 m (1000 ft) with 0.8 mm (22 AWG), or 610 m (2000 ft) with 1.2 mm (18 AWG). Each D623 Series Keypad model includes a wiring assembly of four color-coded flying leads and one female four-pin connector.

Technical Specifications

Environmental Considerations

Relative Humidity:	5% to 85% at +30℃ (+86℉), non-condensing
Temperature (Operating):	0℃ to +50℃ (+32℉ to +122℉)

Keypad

Dimensions for D623 and D623W:	11.7 cm x 21 cm x 2 cm (4.6 in. x 8.2 in. x 0.8 in.)
Dimensions for D623B:	12.6 cm x 20 cm x 3.2 cm (5 in. x 8 in. x 1.3 in.)
Weight for All Models:	439 g (15.5 oz)
Material for All Models:	CHI MEI POLYLAC® PA-757 ABS with UV Stabilizer UL94-HB Fire Rated
Connections:	4-wire flying lead for data and power
Display Window:	16-character, 2-line LCD display with adjustable backlight
Indicators:	Illuminated keys Warning and indicating tones LEDs for Status and On

Power Requirements

Voltage (Operating):	12 VDC nominal, supplied from control panel auxiliary power supply
Current:	Maximum 100 mA Normal 100 mA Standby 100 mA

Trademarks

POLYLAC® is a registered trademark of CHI MEI Industrial Corporation, LTD. Plexiglas® is a registered trademark of Arkema.

Ordering Information

D623 LCD Keypad Off-white classic case.	**D623**
D623W LCD Keypad White classic case.	**D623W**
D623B LCD Keypad White and gray modern case.	**D623B**
Accessories	
D54B Brass Flush-mount Kit Back box and polished brass faceplate.	**D54B**
D54C Stainless Steel Flush-mount Kit Back box and stainless steel faceplate.	**D54C**
D55 Keypad Desk Stand Portable desk stand in smoke colored Plexiglas.	**D55**
D56 Surface Mount Conduit Box White surface mount box.	**D56**
D56R Red Surface Mount Conduit Box Red surface mount box.	**D56R**